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Glenn Safety Manual – Chapter 29

Safety Barricades

Approved by: QS/Chief, Safety and Health Division

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Cleveland, OH 44135**

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Change Record

Revision	Effective Date	Expiration Date	GRC25, Change Request #	Description
Rev B	6/13/2012	6/13/2017	CR93	Bi-annual review/revision
Change 1	9/30/2015	6/13/2017	N/A	Administrative change to remove hyperlinks.
Rev C	6/24/2016	6/24/2021	14-001	Coordination and process improvements

***Include all information for each revision. Do not remove old revision data. Add new rows to table when space runs out by pressing the tab key in the last row, far right column.*

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Chapter 29—Safety Barricades

***NOTE:** The current version of this chapter is maintained and approved by the Safety and Health Division (SHeD). The last revision date of this chapter was June 2016. The current version is located on the Glenn intranet within the BMS Library. Approved by Chief of Safety and Health Division.*

1.0 PURPOSE

This chapter addresses the policies and procedures for all exterior barricades within the boundaries of the Glenn Research Center (GRC).

2.0 APPLICABILITY

This chapter is applicable to all civil servant and contractor employees working at GRC. The requirements of this chapter apply to full or partial closure of roads, sidewalks, and parking lots, with the exception of Construction of Facilities (CoF) projects where barricading requirements are reviewed during the design process.

3.0 BACKGROUND

Planning, coordination, and placement of barricades such as colored tape, flagging, orange pylons (cones), and sawhorse barricades, etc., are used to cordon areas that are hazardous or to channel pedestrian and vehicle traffic to specific routes. The use of barricades facilitates activities involving traffic, construction projects, public events, and any situation in which an area must be temporarily marked to communicate a hazard or traffic route.

4.0 POLICY

It is GRC policy to use barricades to control personnel access to hazardous areas, where appropriate. Barricades will also be used in nonhazardous areas for the day-to-day operations of the Center.

5.0 RESPONSIBILITIES

5.1 Requester

Submit a Barricading Request (GRC136) based on the procedures listed in Section 6.0. Provide a barricade plan illustrating the location of where the barrier is to be erected. After the Barricading Request is approved, the requester will erect the approved barriers or submit a work request to the Facilities Division (FD) to have the barriers erected.

5.2 Operational Safety Branch (OSB)

Review and approve Barricading Requests and plans. Inspect barricade site and recommended adjustments if needed to increase safety and address hazards. When barricade plans have fire protection or life safety implications, the Operational Safety Branch refers the Barricading Request to the Authority Having Jurisdiction for review and concurrence.

5.3 Facilities Division (FD)

Submit Barricading Request and coordinate barricade plan reviews during CoF project design phase. The maintenance contractor, contracted by the Facilities Division, may be requested through a work request to erect barricades. Verify that all barricades erected for maintenance and construction purposes comply with either the barricade request or the approved CoF drawing.

5.4 Civil Systems Manager or designee

Review and approve the Barricading Requests and proposed barricade plan. Review for compliance with American Disability Act and with the Ohio Manual of Uniform Traffic Control Devices (OMUTCD) and in accordance with the Glenn Safety Manual, Chapter 19, Vehicle and Pedestrian Safety. Coordinate with FD personnel to develop a

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barricade drawing(s), bus routes with Center Transportation Officer and aid in communication to the Center population.

5.5 Authority Having Jurisdiction (AHJ)

Review and approve Barricading Requests for compliance with NASA STD 8719.11, Safety Standard for Fire Protection and the National Fire Protection requirements.

5.6 Center Personnel

Respect the boundaries of barricades and do not cross barricade boundaries without authorization and personal protective equipment where required.

5.7 Emergency Response Team

Install barricades to prevent unauthorized access during an emergency response situation. These situations do not require a Barricading Request. Emergency barricading will be done exclusively by the Emergency Response Team (ERT), by responding emergency agencies, or by a contractor designated by the ERT to control a specific area(s) of hazardous nature or to prevent employees from entering an unsafe/hazardous area.

5.8 Interim Response Team

The Interim Response Team will coordinate any barricade requirements as soon as feasible with OSB and the Civil System Manager. The area may be barricaded prior to this communication.

6.0 REQUIREMENTS

6.1 Barricading

All barricading shall follow the requirements set forth within the Ohio Manual of Uniform Traffic Control Devices (OMUTCD) and NASA safety permit.

6.2 Barricading Request

The Barricading Request shall be submitted by the requestor along with a barricade plan depicting the requested barricaded area. This plan shall include the locations and a map illustrating required limits. The Barricading Request form shall be submitted to the Operational Safety Branch for routing and approval by clicking on the submit button within the form.

6.3 Barricading Materials

The Center uses appropriate traffic and pedestrian control device and colors as defined within the OMUTCD Black-regulation.

6.4 Crossing Barricades

For personal safety, barricades shall not be crossed. If there is a need to access a barricaded area, permission shall be obtained from the requester, OSB, or Office of Protective Services.

7.0 RECORDS

- NASA GRC136, Barricading Request—Maintained by the OSB.

8.0 REFERENCES

Document number	Document name
OMUTCD–2012	Ohio Manual on Uniform Traffic Control Devices – 2012
Glenn Safety Manual, Chapter 19	Vehicle and Pedestrian Safety

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NASA STD 8719.11

Safety Standard for Fire Protection

National Fire Protection Association

Fire Codes and Standards

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APPENDIX A.—DEFINITIONS AND ACRONYMS

Americans with Disabilities Act (ADA)

Construction of Facilities (CoF)

Emergency Response Team (ERT)

Facilities Division (FD)

Ohio Manual of Uniform Traffic Control Devices (OMUTCD)

Operational Safety Branch (OSB)

Safety and Health Division (SHeD)

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